

FIGURE 1A

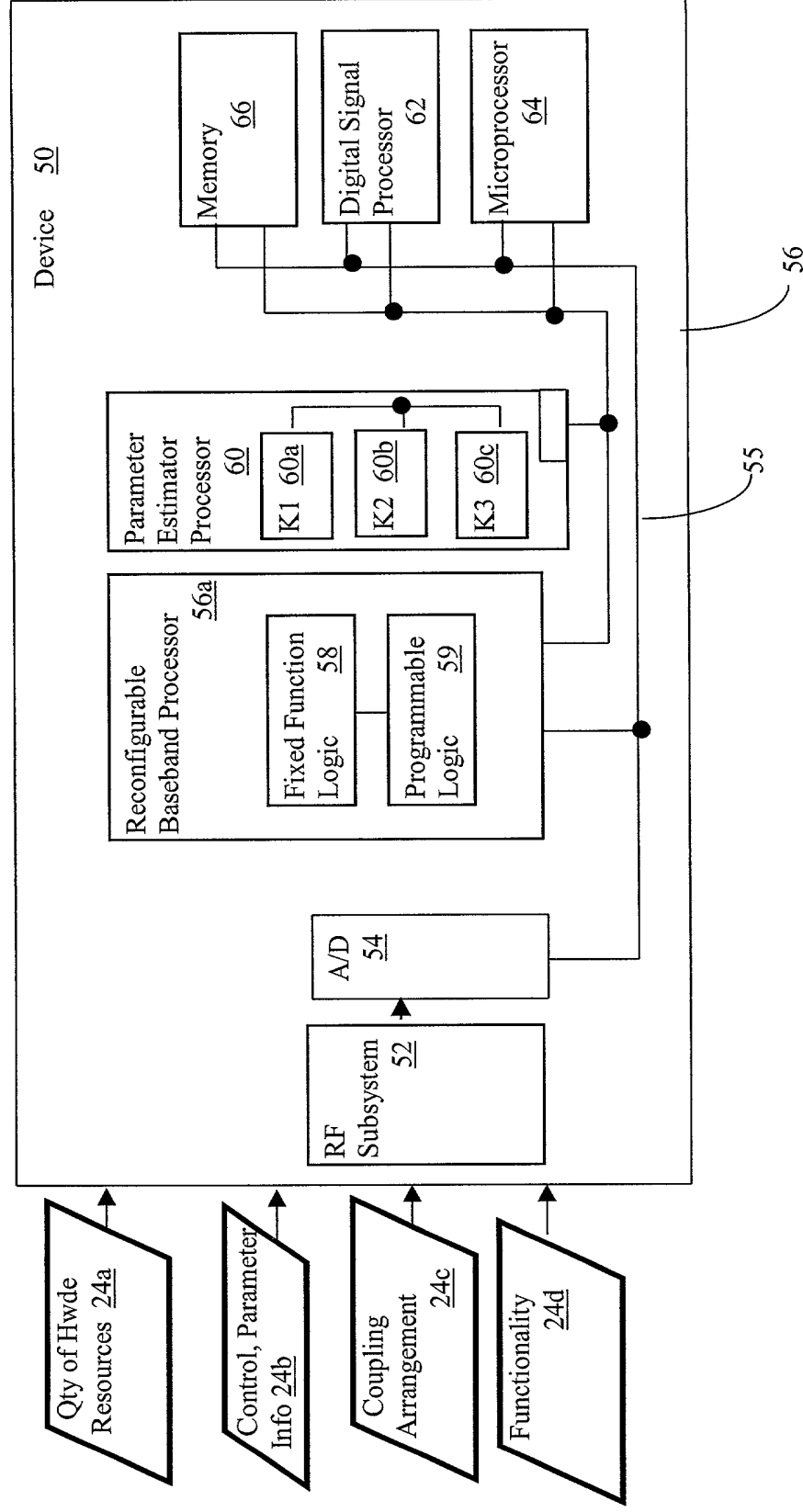


FIGURE 1B

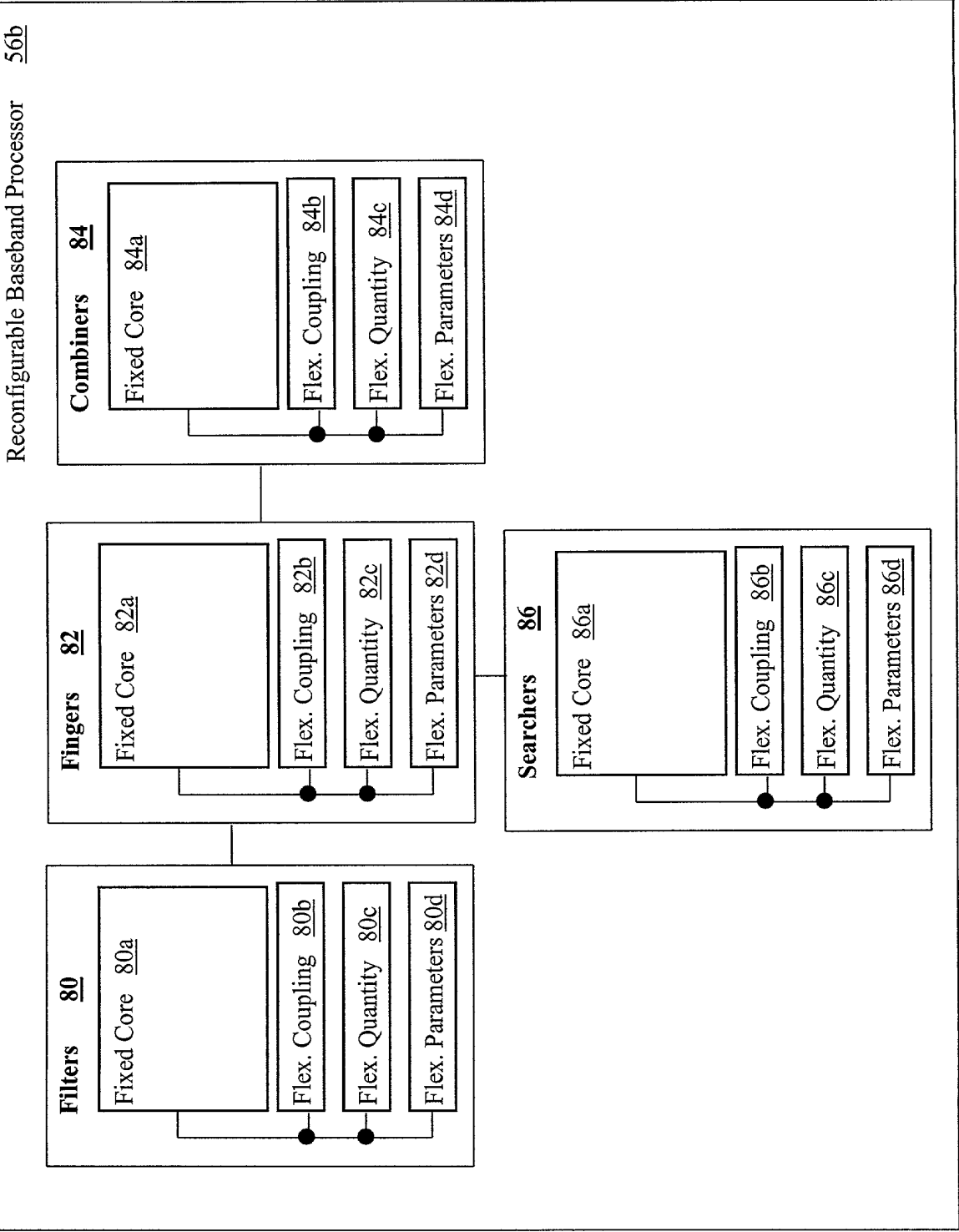


FIGURE 1C

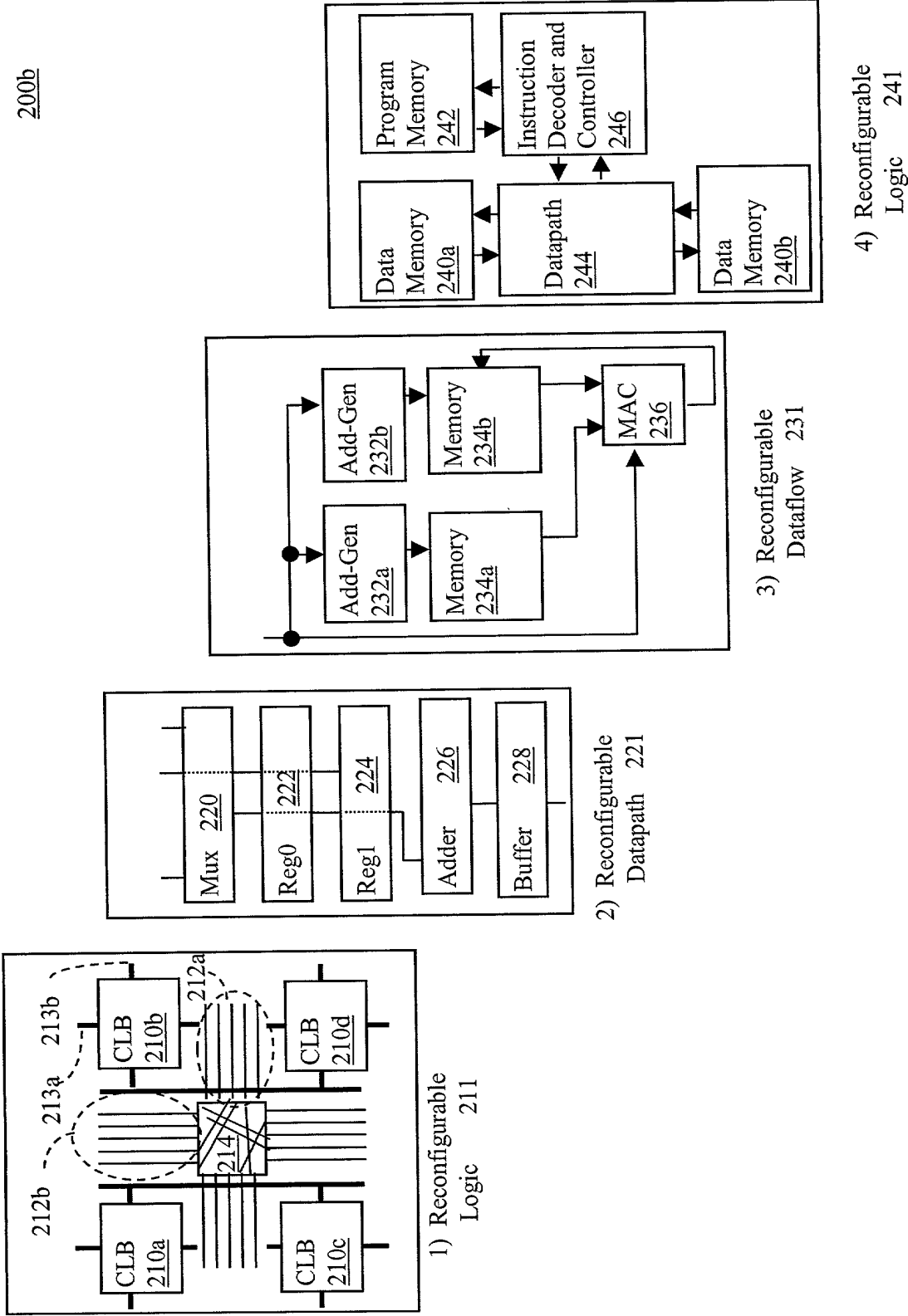


FIGURE 2A

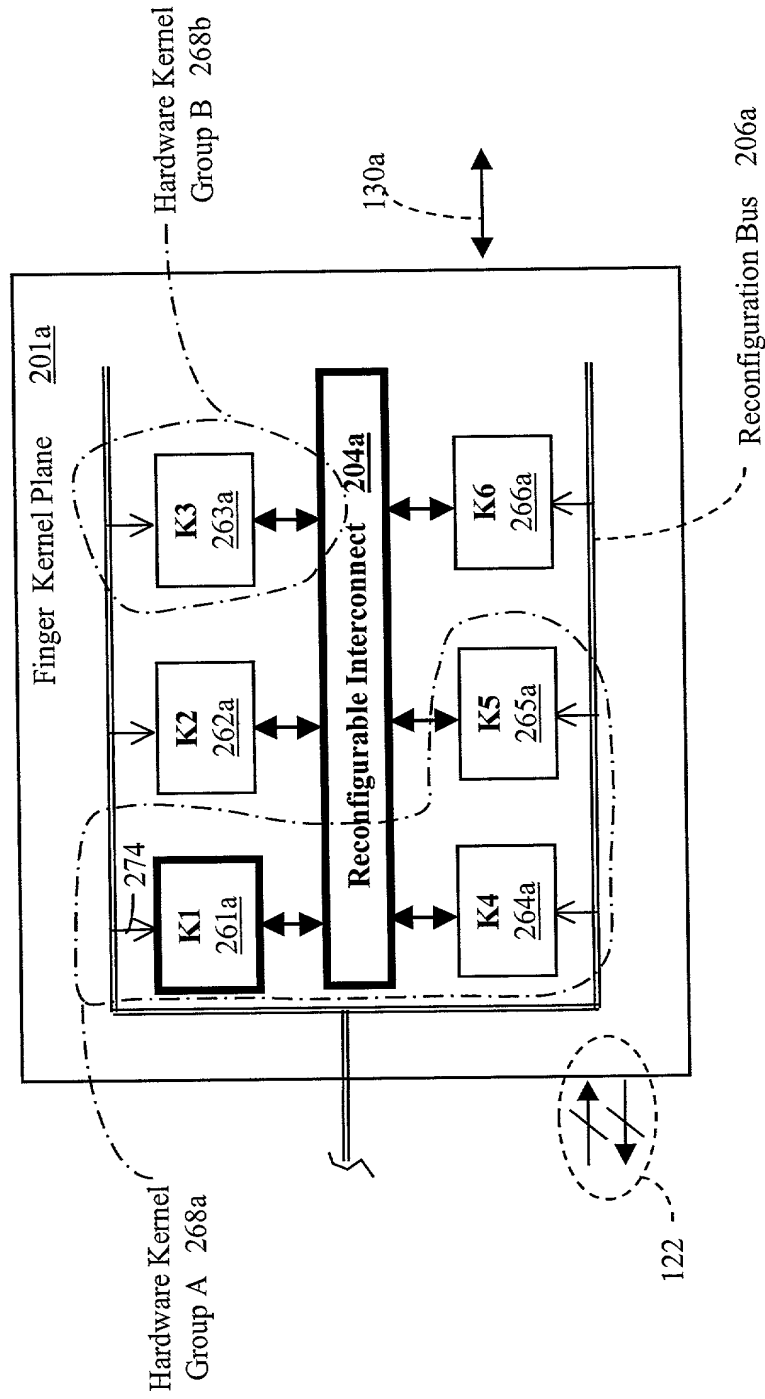


FIGURE 2B

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Atty Docckt No: 009824-075-999 Inventor Ralston et al.

Title: Efficient Software Download to Configurable Communication Device

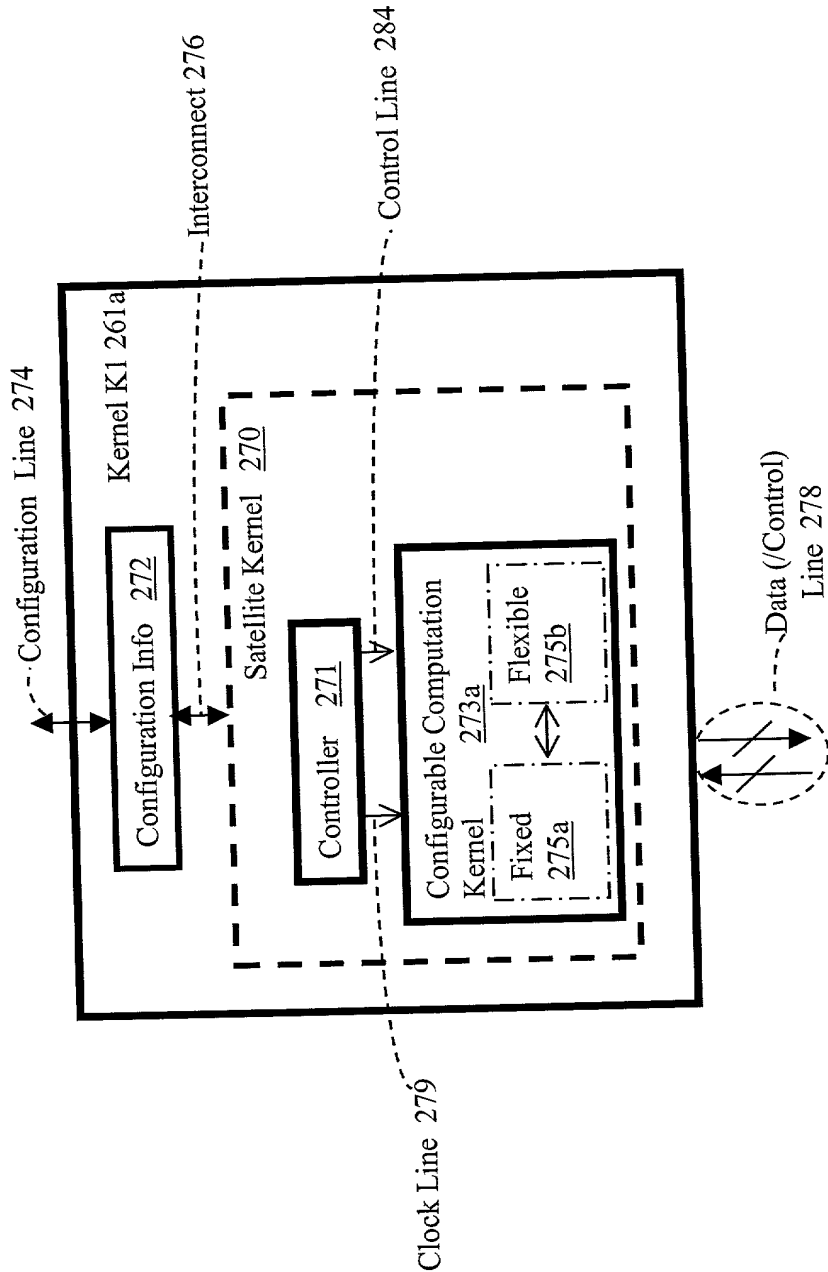


FIGURE 2C

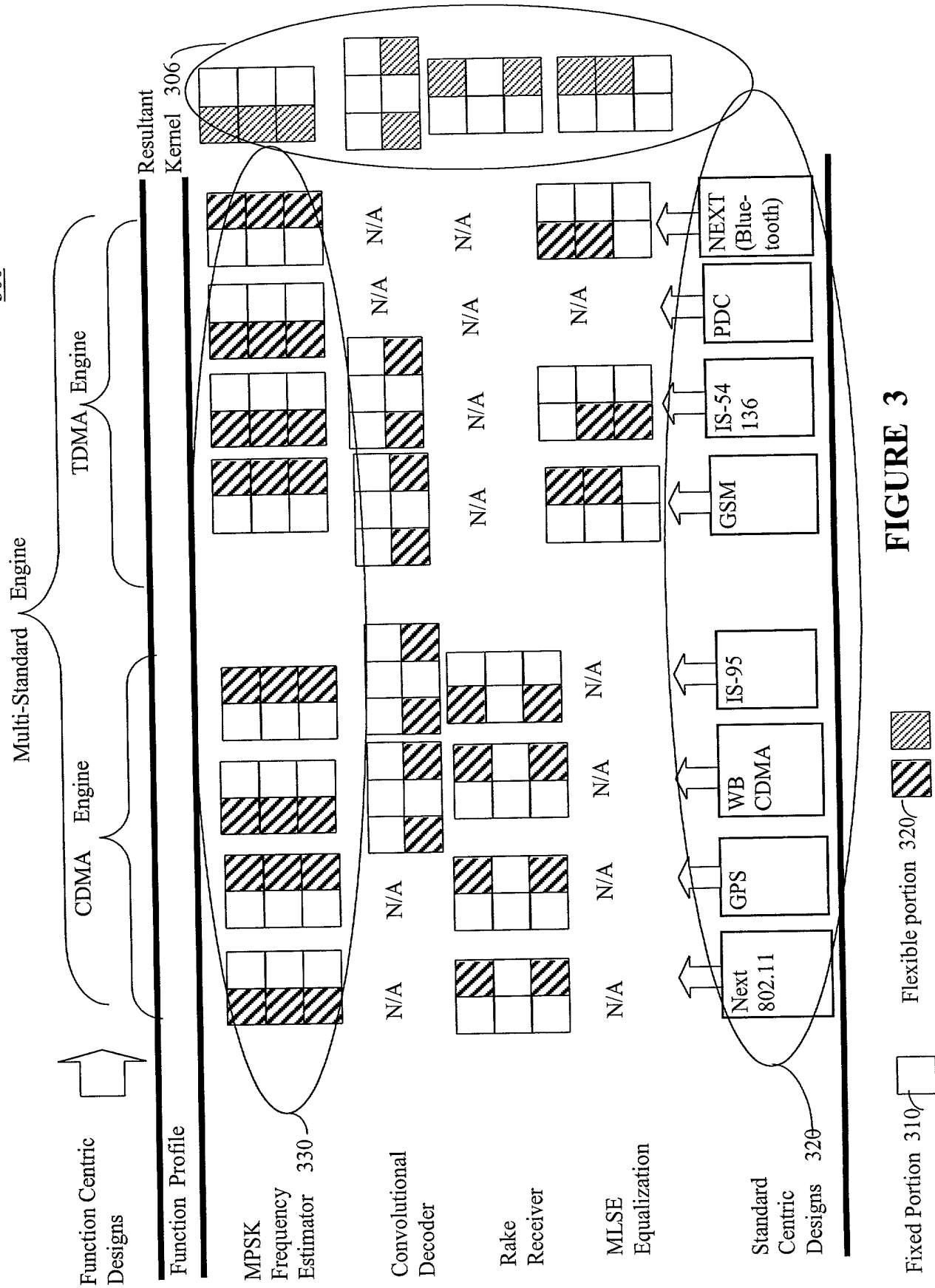


FIGURE 3

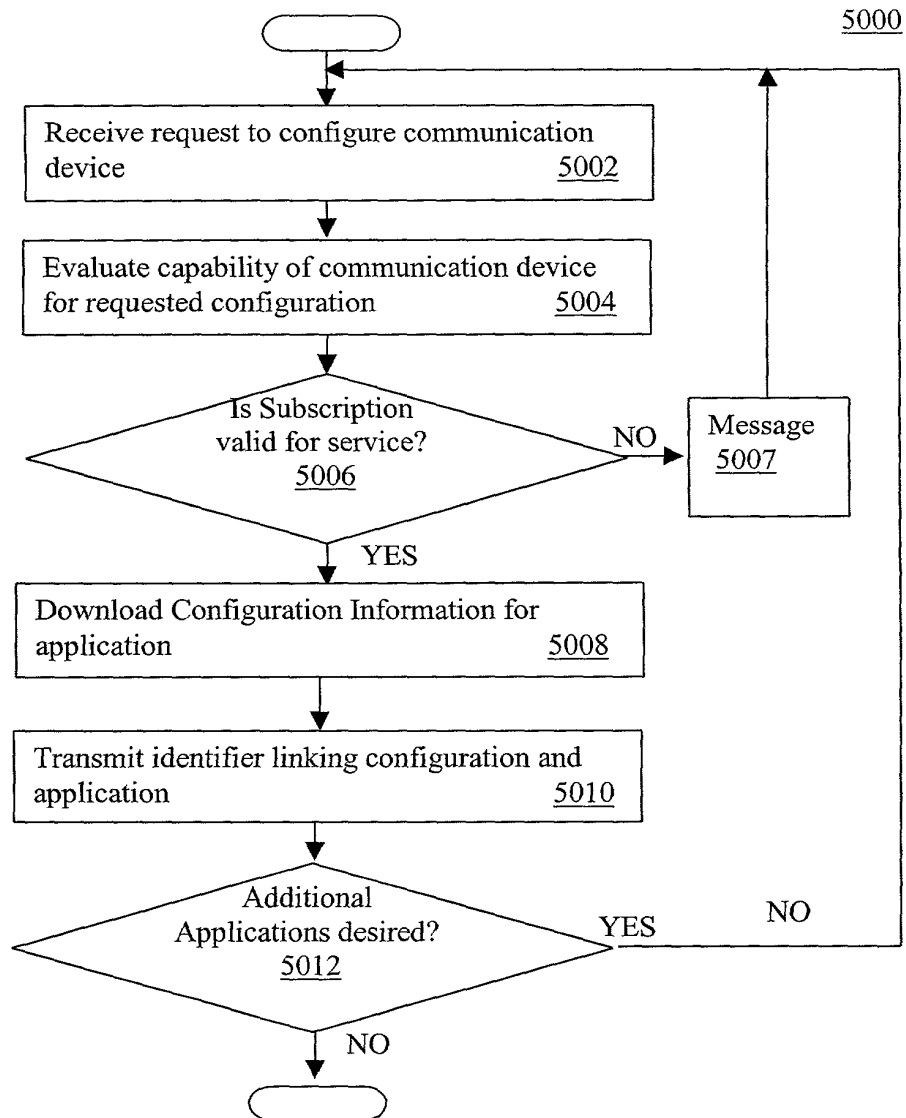
Hardware	Air Interface Change	QOS Option	Service Option
	Ex: IS-95 to IS-2000	Ex: Antenna Diversity, Algorithmic enhancement	Ex: GPS
<b>Filter</b>	Qty, Connectivity Parameters	Parameters	n/a
<b>Finger</b>	Qty, Connectivity Parameters	Parameters	Qty, Connectivity Parameters
<b>Combiner</b>	Qty, Connectivity Parameters	n/a	Qty, Connectivity Parameters
<b>Searcher</b>	Qty, Connectivity Parameters	Parameters	Qty, Connectivity Parameters
<b>Estimator</b>	Qty, Connectivity Parameters	Parameters	Qty, Connectivity Parameters
<b>Timing</b>	Parameters	Parameters	Parameters
<b>Codec</b>	Connectivity Parameters	n/1	Parameters

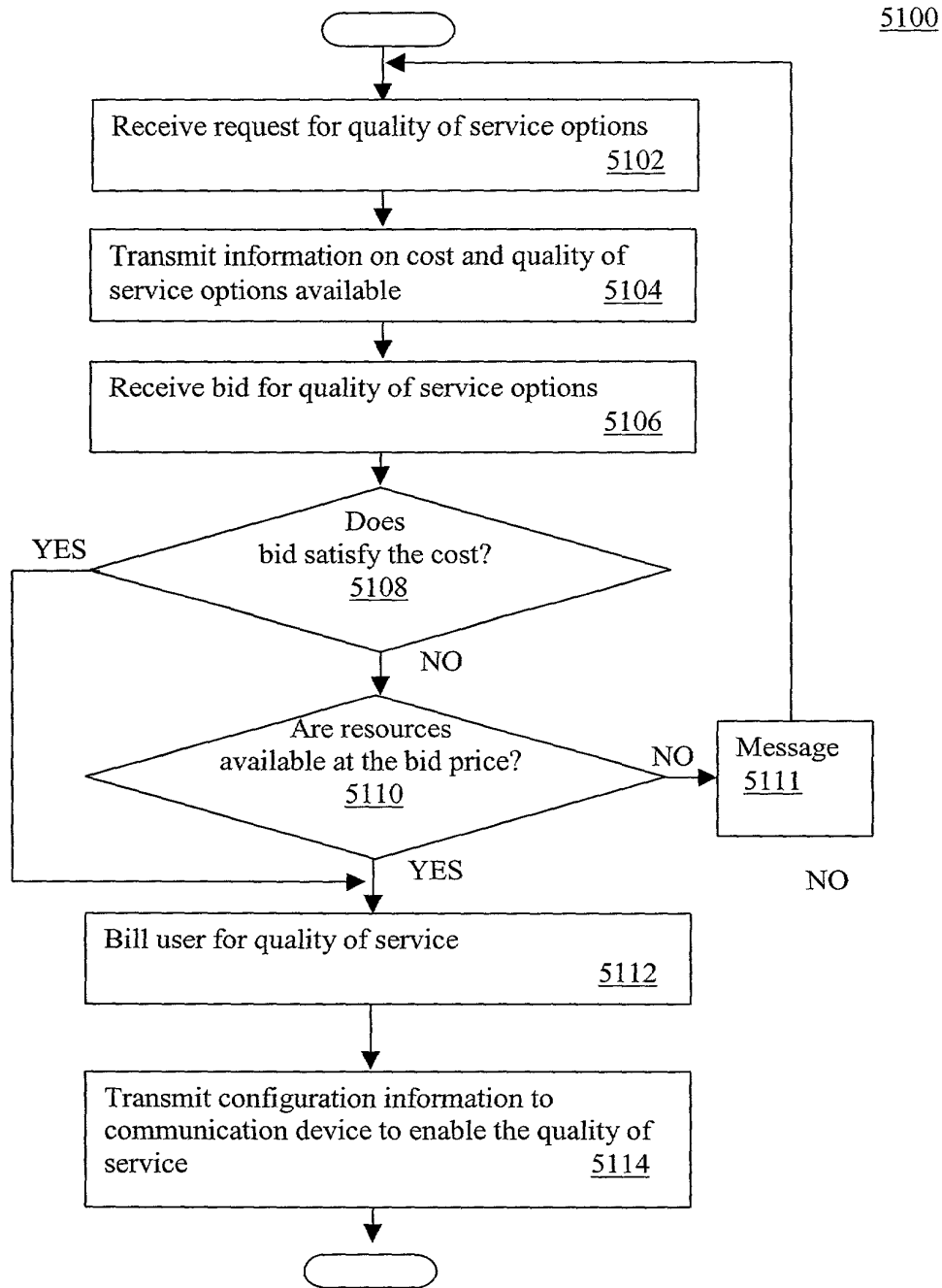
**FIGURE 4A**



Hardware	TDMA				CDMA				
	IS 136	GSM	GPRS	EDGE	IS-95B	IS-2000	WCDMA-FDD	GPS	Global star
Parameter Estimator Functions									
LMS Channel Estimator		X	X	X					
Windowed Average Energy Estimator	X	X	X	X	X	X	X		
ML Symbol Timing Estimator	X	X	X	X	X	X	X	X	X
ML Carrier Phase Estimator	X	X	X	X	X	X	X	X	X
PN Correlator					X	X	X		
Matched Filter							X	X	
Interference Energy Estimator						X	X		

FIGURE 4B

**FIGURE 5A**



**FIGURE 5B**